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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/713,502	11/15/2003	Clair John Glossner III	YOR919990548US4 (8728-341)	9966
46069 7590 06/19/2008 F. CHAU & ASSOCIATES, LLC 130 WOODBURY ROAD WOODBURY, NY 11797			EXAMINER PAN, DANIEL H	
			ART UNIT 2183	PAPER NUMBER
			MAIL DATE 06/19/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/713,502	Applicant(s) GLOSSNER ET AL.	
	Examiner Daniel Pan	Art Unit 2183	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 March 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3,5-11,14,16-22,25 and 27-33 is/are pending in the application.
- 4a) Of the above claim(s) 1,2,12,13,15,23,24,26 and 34-60 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 3,5-11,14,16-22,25 and 27-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>03/03/04</u> . | 6) <input type="checkbox"/> Other: _____ |

1. Claims 3,5-11,14, 16-22, 25,27-33 remain for examination. Claims 1,2, 12,13,15, 23,24,26,34-60 have been canceled. Upon further review claims 25,27, 28, 29, 31,32,33 rejected under 35 U.S.C. 101 have been withdrawn.
2. Claims 3, 8, 9-11,14,19-22,25, 31,32,33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fossum et al. (4,888,679) in view of Birrittella (6,266,759).
3. Claims 7,16-18, 29,30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fossum et al. (4,888,679) in view of Birrittella (6,266,759) as applied to claims 3,14, 25 above, and further in view of Sakakibara (5,392,443).
4. Claims 5,6,27,28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fossum et al. (4,888,679) in view of Birrittella (6,266,759) and in view of Sakakibara (5,392,443).
5. The rejections above have been maintained and incorporated by reference the last Office action on 12/20/07.
6. The response filed by applicant on 03/20/08 has been fully considered but is not persuasive.
7. In the remarks, applicant argued that :

a) Fossum does not teach or suggest that "entries are grouped into addressable words corresponding to individual data vectors stored in the vector data file" as claimed in Claims 3, 9, 10, 11, 14, 25, and 31-33. Consider first that the vector of Fossum is not a vector data file - the vector of Fossum is merely vector in main memory.

b) Fossum does not teach or suggest bytes of the quad-word having arbitrary starting addresses; the bytes of the quad-word of Fossum are contiguous requiring only a single address to address all of the bytes of the entire quad-word.

c) Birrittella does not teach or suggest that "entries are grouped into addressable words corresponding to individual data vectors stored in the vector data file" as claimed ;

Birrittella is single address;

d) Sakakibara's vector register unit does not store entries or pointers to a vector data file, essentially as claimed. Indeed, nowhere does Sakakibara teach or suggest the use of a pointer array, much less entries identifying at least one storage element in the vector data file.

As to a) above, Fossum taught an address decoder corresponding to the vectors and the tag A address corresponded to the data word entries grouped by the address decoder corresponding to the vectors (see the tag A as address correspond to the data word as addressable words in fig.2, see also col.6, lines 20-68, col.7, lines 1-8 for detail description). Therefore, Fossum taught entries grouped into addressable words corresponding to individual data vectors stored in the vector data file. The tag A was the

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group address. As to the bytes of the quad-word of Fossum are contiguous requiring only a single address, Fossum also included non-contiguous bytes, see address of the entry to the stride in col.7, lines 34-54, see the variable length stride S in col.7, lines 9-54).

As to b), Fossum did not specifically show the arbitrary starting address as claimed. However, Birrittella taught an arbitrary starting address (col.3, lines 4-18). It would have been obvious to one of ordinary skill in the art to use Birrittella in Fossum for including an arbitrary address as claimed because the use of Birrittella could provide Fossum the ability to access the vector data at randomly located vector element in the storage, therefore increasing the flexibility of read and write operations at an arbitrary address, and it could be done by reconfiguring the arbitrary address of Birrittella in to Fossum with modified data control parameters (e.g. the vector address byte length), so that arbitrary address of Birrittella could be recognized by Fossum, and because Birrittella did teach his arbitrary address was an alternative to a stride address, and since Fossum already taught a stride address, which was a suggestion of the applicability of arbitrary address in Fossum.

As to c), Birrittella was used for supplementing the teaching of arbitrary starting address. The reasons of obviousness have already provided in Page 4, Paragraph 10 of the last Office action on 07/09/07. Therefore, it will not be provided. As to the entries are grouped into addressable words, See Fossum's tag A as address correspond to the data word as addressable words in fig.2, see also col.6, lines 20-68, col.7, lines 1-8 for detail description.

As to d, Sakkibara's vector register unit is applicable for storing entries or pointers to a vector data because it teaches modulo N for a vector (see co1.18, lines 9- 19).

Therefore, N is directed to vector entries or pointers.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dan Pan whose telephone number is 571 272 4172. The examiner can normally be reached on M-F from 8:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chan, can be reached on 571 272 4162. The fax phone number for the organization where this application or proceeding is assigned is 703 306 5404.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

21 Century Strategic Plan

/Daniel Pan/

Primary Examiner, Art Unit 2183